

5 In this question you must show detailed reasoning.

Fig. 5 shows the circle with equation $(x - 4)^2 + (y - 1)^2 = 10$.

The points $(1, 0)$ and $(7, 0)$ lie on the circle. The point C is the centre of the circle.

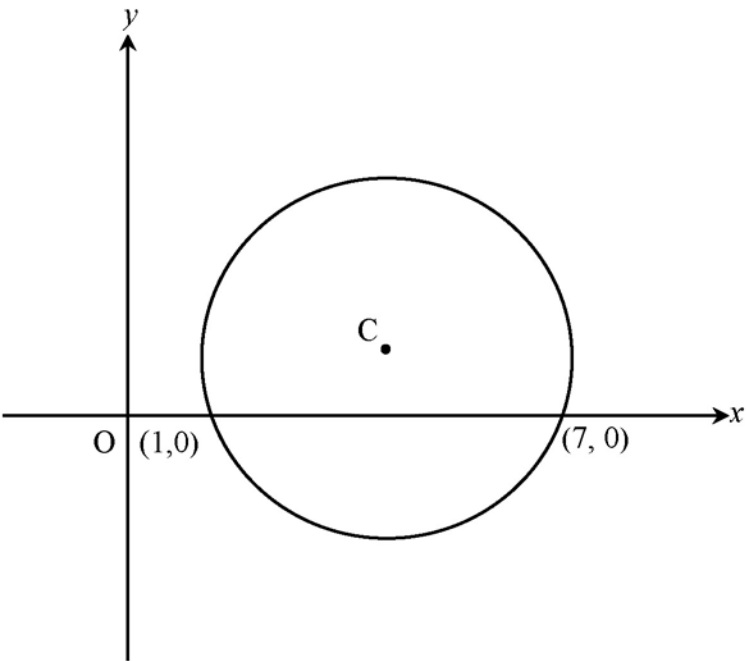


Fig. 5

Find the area of the part of the circle below the x-axis.

[5]